



TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Propulsion remote control system
<i>Type</i>	MCon propulsion and thruster control system
<i>Applicant</i>	KONGSBERG MARITIME AS - Kongsberg Maritime AS Longvafjordvegen 379 6293 Longva NORWAY
<i>Manufacturer</i>	KONGSBERG MARITIME AS - Kongsberg Maritime AS
<i>Place of manufacture</i>	Longvafjordvegen 379 6293 Longva NORWAY
<i>Reference standards</i>	IACS E10 Rev.10, Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 8, Table 1.

Issued in **RINA Poland Marine** on **July 29, 2026. This Certificate is valid until July 28, 2031**

RINA Services S.p.A.
Bartosz Kurecki



This certificate consists of this page and 5 enclosure



TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001
Enclosure - Page 1 of 5
MCon propulsion and thruster control system

Product Description:

The Mcon Propulsion, thruster and steering gear control (PTSC) system is a processor based system for controlling the thrust units of the vessel. I.e., controlling thrusters (Tunnel Thrusters or Azimuth thrusters), main propellers and rudders.

Materials/Components:

Designation	Item No. /Ser No.	OEM
8" Panel Computer	000123971	Data Respons
10.4" Panel Computer	RRM000603363 RRM000483816	Data Respons
12"Panel Computer	000124787	Data Respons
Panel PC 12" PPC-120T-RL-02	RRM000765204	Akkodis Edge
H1151.6059 Marine Controller	000110313	Hectronic
H1170 Marine Controller	RRM000471733	Hectronic
H1170 Mk2 Marine Controller	RRM000691907	Hectronic
Managed Ethernet switch Lynx	RRM000376790 L210-F2G/RRM000376886	Westermo
CAN Rail Module	000117803	Kwant
PSI-PREP-DNET CAN Repeater	RRM000272777	Phoenix
Serial Interface HT 00262 OPTA3	RRM000644018	Hatteland



TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001
Enclosure - Page 2 of 5
MCon propulsion and thruster control system

Lever/Input device G2	000114574	Kwant
(Multiple variants)	000122040	
	000114575	
	000114576	
	000122041	
	000122042	
	000122043	
	000122044	
	RRM000353541	
	RRM000357317	
	RRM000480571	
	RRM000480573	
	000104154	
	000104155	
	000104156	
	000104157	
	000104162	
	000112159	
	000110624	
	RRM000460995	
	000104146	
	000104147	
	000104148	
	000104149	
	000125251	
	000104150	
	000104151	
	000104152	
	000104153	
	RRM000377686	
	RRM000377687	



TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001
Enclosure - Page 3 of 5
MCon propulsion and thruster control system

Lever G3 (Multiple variants)	RRM000385830 RRM000385831 RRM000385832 RRM000385833 RRM000385835 RRM000385836	Kwant
Button Panel G2- MMS	NFU 000126062 000127586 RRM000413829 RRM000438977 000117799 000117800 & 000117801	Kwant
Indicators BW144, sCan	000116886 000116887 Xdi 144/192 000121597 000121367 000109171 000115831	DEIF
Indicators XL series, sCan	000116908 - 000116914 000116906 000117951 000116907 000117952 RRM000513229 RRM000434500	DEIF



TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001
Enclosure - Page 4 of 5
MCon propulsion and thruster control system

Reference documents:

Test reports:

1. Applica Test & Certification:

HT00262 OPT-A1 Rep.No. 20053, Dated: 19/11/2013,
Maritime Panel Computer MPCF1-10,4 Rep.No. 20157, Dated 31/01/2014,
Marine Controller H1151 and Ethernet Breaker, Rep.No. 20216, Dated 23/05/2014

2. DANAK :

KM Common Operator Panels 2005, Rep.No.198195, Dated 19/12/2005

3. DELTA :

Lynx-L210-F2G Rep.No. 622-20078-10-R0, Dated 04/05/2022
Lynx+, Rep.No. REC-E702792, Dated 08/04/2011

4. Nemko:

Maritime Computer Phantom 6000M Series, Rep.No.E21159.01, Dated 25/08/2021
EuT H1170, Rep.No. E21194.01, Dated 14/12/2021
8" and 12" Maritime Panel PC, Rep. No. E15269.00, Dated 06/01/2016
Common components for Kongsberg Maritime AS, Rep. No. E21176.00, Dated 07/10/2021
Kongsberg Maritime Modules, Rep.No. E21088.03, Dated 28/10/2021
Maritime Computer Phantom 6000M Series, Rep.No. E21159.01, Dated 25/08/2021
Poscon Autopilot, Rep.No. E22111.00, Dated 16/08/2022

5. THALES:

Rolls-Royce G2 Azimuth CP Fwd.El Shaft, Rep.No.0026-H0203-0000213260, Dated 15/06/2021
Button panels , Rep.No.0026-H0203-0000089130, Dated 16/03/2017
Butten Panels and CAN Bridge, Rep. No.0026-H0203-0000213312, Dated 15/06/2021
G3 Control Equipment, Rep. No. 0026-H0203-2020062206A, Dated 09/03/2021
Double&Single Tunnel Thruster G2(series), Rep.No. 9505 331 695XX 001, Dated 21/05 2017
Azimuth Thruster G2 (series), Rep.No. 9505 331 697XX001, Dated 21/05/2017
Double&Single Main Thruster G2(Elas Series), Rep.No.9505 331 698XX 001,Dated 16/05/2014
Rudder Tiller G2 (series), Rep.No.9505 331 699XX 001, Dated 28/03/2014

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TYPE APPROVAL CERTIFICATE
No. ELE019726XP/001
Enclosure - Page 5 of 5
MCon propulsion and thruster control system

Components specifications:

1. AKKODIS Edge:

- 12" Maritime Panel Computer, Datasheet - 110-0134081A;

2. Data Response Solutions:

- MPCF1-10,4 Maritime Panel Computer, Datasheet - DMN000326843_A_NF1;

3. Hattaland Technology:

- USB to serial line converter, Datasheet - 421168E - HT00262OPTA3;

4. Kongsberg Maritime :

- Push Button 4 , Datasheet - 405886A_PB4;
- BRIO modules, Datasheet - CCP-140005-02TT rev H;
- BRIO modules, Datasheet - CCP-140005-03TT rev J;
- CAN controller, Datasheet - CCP-140006-01TT-C;
- Hectronic Marine controller H1151.6059, Datasheet - CCP-141007-01TT-C;
- Westermo network devices, Datasheet - CCP-142007-01TT-G;
- 8 inch and 12 inch Panel Computer, Datasheet - CCP-190008-01TT-D;
- G2 Azimuth levers, Datasheet - CCP-191021-01TT-J;
- G2 Rudder tillers and Helmsman lever, Datasheet - CCP-191022-01TT-E;
- G2 Tunnel thruster levers, Datasheet - CCP-191023-01TT-D;
- G2 Main propulsion levers, Datasheet - CCP-191024-02TT-E;
- G3 Propulsion and thruster levers, Datasheet - CCP-191030-01TT-C;
- MMS panels, Datasheet - CCP-192004-03TT-D;
- Steering gear panels, Datasheet - CCP-192005-01TT-C;
- COP05 ALC Stand alone, Datasheet - DMN000286086_A_NF1;
- Hectronic marine controller H1170, Datasheet - DMN000292223_B;

RINA Poland Marine July 29, 2026

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